		Flight-Testing Newt	on's Laws	
2007 Mathematics				
		State Framew	orks	
Mississippi Mather	natics			
Grades 8-9				
Activity/Lesson	State	Standards		
			Given a literal equation, solve for a specified	
Session-10 (1-5)	MS	MA.8-9.TA.2.a	variable of degree one.	
			Explain and illustrate how changes in one	
			variable may result in a change in another	
Session-10 (1-5)	MS	MA.8-9.TA.2.b	variable.	
			Solve and check multi-step equations and	
			inequalities, including distributive property,	
0			variables on both sides, and rational	
Session-10 (1-5)	MS	MA.8-9.TA.2.c	coefficients.	
			Explain and illustrate how changes in one	
Onnaine 4 (4 47)	MO		variable may result in a change in another	
Session-1 (1-17)	MS	MA.8-9.TA.2.b	variable.	
			Explain and apply the appropriate formula to	
			determine length, midpoint, and slope of a	
Secsion 1 (1 17)	MC	MAROTAIN	segment in a coordinate plane (i.e., distance	
Session-1 (1-17)	MS	MA.8-9.TA.4.b	formula, Pythagorean Theorem).	
Socion 2 (1 10)	MS	MA.8-9.TA.2.a	Given a literal equation, solve for a specified variable of degree one.	
Session-2 (1-10)	IVIS	IVIA.0-9. IA.2.a	Solve and check multi-step equations and	
			inequalities, including distributive property,	
			variables on both sides, and rational	
Session-2 (1-10)	MS	MA.8-9.TA.2.c	coefficients.	
36881011-2 (1-10)	IVIO	IVIA.0-9. IA.2.0	Write linear equations given slope and y-	
Session-2 (1-10)	MS	MA.8-9.TA.2.f	intercept or two points.	
06331011-2 (1-10)	IVIO	IVIA.0-9. IA.2.1	Explain and apply the appropriate formula to	
			determine length, midpoint, and slope of a	
			segment in a coordinate plane (i.e., distance	
Session-2 (1-10)	MS	MA.8-9.TA.4.b	formula, Pythagorean Theorem).	
- COCCION 2 (1 10)	III.C	177 1.0 0.17 1.1.0	Given a literal equation, solve for a specified	
Session-3 (1-6)	MS	MA.8-9.TA.2.a	variable of degree one.	
	-		Given a literal equation, solve for a specified	
Session-4 (1-11)	MS	MA.8-9.TA.2.a	variable of degree one.	
· /			Solve and check multi-step equations and	
			inequalities, including distributive property,	
			variables on both sides, and rational	
Session-4 (1-11)	MS	MA.8-9.TA.2.c	coefficients.	
· · ·			Write linear equations given slope and y-	
Session-4 (1-11)	MS	MA.8-9.TA.2.f	intercept or two points.	
			Explain and apply the appropriate formula to	
			determine length, midpoint, and slope of a	
			segment in a coordinate plane (i.e., distance	
Session-4 (1-11)	MS	MA.8-9.TA.4.b	formula, Pythagorean Theorem).	
			Given a literal equation, solve for a specified	
Session-5 (1-6)	MS	MA.8-9.TA.2.a	variable of degree one.	

Activity/Lesson	State	Standards	
Grades 8-10			
Mississippi Mather	matics	Julio I Idillow	
		State Framewo	
		Flight-Testing Newto 2007 Mathema	
Session-9 (1-7)	MS	MA.8-9.TA.4.b	Explain and apply the appropriate formula to determine length, midpoint, and slope of a segment in a coordinate plane (i.e., distance formula, Pythagorean Theorem).
Session-9 (1-7)	MS	MA.8-9.TA.2.j	Apply ratios and use proportional reasoning to solve real-world algebraic problems.
Session-9 (1-7)	MS	MA.8-9.TA.2.a	Given a literal equation, solve for a specified variable of degree one.
Session-8 (1-9)	MS	MA.8-9.TA.4.b	Explain and apply the appropriate formula to determine length, midpoint, and slope of a segment in a coordinate plane (i.e., distance formula, Pythagorean Theorem).
Session-8 (1-9)	MS	MA.8-9.TA.2.j	Apply ratios and use proportional reasoning to solve real-world algebraic problems.
Session-8 (1-9)	MS	MA.8-9.TA.2.a	Given a literal equation, solve for a specified variable of degree one.
Session-7 (1-5)	MS	MA.8-9.TA.4.b	Explain and apply the appropriate formula to determine length, midpoint, and slope of a segment in a coordinate plane (i.e., distance formula, Pythagorean Theorem).
Session-7 (1-5)	MS	MA.8-9.TA.2.c	Solve and check multi-step equations and inequalities, including distributive property, variables on both sides, and rational coefficients.
Session-7 (1-5)	MS	MA.8-9.TA.2.a	Given a literal equation, solve for a specified variable of degree one.
Session-6 (1-8)	MS	MA.8-9.TA.4.a	Solve real-world problems involving measurements (i.e., circumference, perimeter, area, volume, distance, temperature, etc.).
Session-6 (1-8)	MS	MA.8-9.TA.2.c	Solve and check multi-step equations and inequalities, including distributive property, variables on both sides, and rational coefficients.
Session-6 (1-8)	MS	MA.8-9.TA.2.a	Given a literal equation, solve for a specified variable of degree one.
Session-5 (1-6)	MS	MA.8-9.TA.4.b	Explain and apply the appropriate formula to determine length, midpoint, and slope of a segment in a coordinate plane (i.e., distance formula, Pythagorean Theorem).
Session-5 (1-6)	MS	MA.8-9.TA.2.c	Solve and check multi-step equations and inequalities, including distributive property, variables on both sides, and rational coefficients.

			Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-10 (1-5)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-1 (1-17)	MS	MA.8-10.AI.2.a	and real-world situations.
,			Solve real-world problems involving formulas for
Session-1 (1-17)	MS	MA.8-10.AI.4.a	perimeter, area, distance, and rate.
, ,			Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-1 (1-17)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-2 (1-10)	MS	MA.8-10.AI.2.a	and real-world situations.
			Solve and graph absolute value equations and
Session-2 (1-10)	MS	MA.8-10.AI.2.b	inequalities in one variable.
			Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-2 (1-10)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-3 (1-6)	MS	MA.8-10.Al.2.a	and real-world situations.
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
Casaisa 4 (4 44)	MC	MA 0 40 ALO -	including rational coefficients in mathematical
Session-4 (1-11)	MS	MA.8-10.AI.2.a	and real-world situations.
Section 4 (1 11)	MS	MA.8-10.AI.2.b	Solve and graph absolute value equations and inequalities in one variable.
Session-4 (1-11)	IVIO	IVIA.0-1U.A1.2.D	Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-4 (1-11)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
36331011-4 (1-11)	IVIO	IVIA.0-10.A1.4.D	Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-5 (1-6)	MS	MA.8-10.AI.2.a	and real-world situations.
23331311 3 (1 0)		147.10 10.711.2.0	Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-5 (1-6)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-6 (1-8)	MS	MA.8-10.AI.2.a	and real-world situations.
,			Solve and graph absolute value equations and
Session-6 (1-8)	MS	MA.8-10.AI.2.b	inequalities in one variable.

			Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-6 (1-8)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
,			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-7 (1-5)	MS	MA.8-10.AI.2.a	and real-world situations.
36331011-7 (1-3)	IVIO	IVIA.0-10.A1.2.a	Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
0 . 7 (4 5)			segment in a coordinate plane. (i.e., distance
Session-7 (1-5)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-8 (1-9)	MS	MA.8-10.AI.2.a	and real-world situations.
			Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
			segment in a coordinate plane. (i.e., distance
Session-8 (1-9)	MS	MA.8-10.AI.4.b	formula, Pythagorean Theorem).
			Solve, check, and graph multi-step linear
			equations and inequalities in one variable,
			including rational coefficients in mathematical
Session-9 (1-7)	MS	MA.8-10.AI.2.a	and real-world situations.
06331011-9 (1-1)	IVIO	WA.0-10.A1.2.a	Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
Cassian 0 (4.7)	MC	MA.8-10.AI.4.b	segment in a coordinate plane. (i.e., distance
Session-9 (1-7)	MS	IVIA.0-10.A1.4.0	formula, Pythagorean Theorem).
		Flight-Testing Newto	on's Laws
		2007 Mathema	
		State Framewo	
Mississippi Mathe	matics	State Hamewo	I S
Grades 9-12 (Trigo			
<u>` </u>		Standards	
Activity/Lesson	State	Standards	Calva triaran arratria a sustiana in na al warda
Cassier 40 /4 5\	MC	MAA O 40 TO 1	Solve trigonometric equations in real-world
Session-10 (1-5)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-10 (1-5)	MS	MA.9-12.T.4.a	settings.
			Solve trigonometric equations in real-world
Session-1 (1-17)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-1 (1-17)	MS	MA.9-12.T.4.a	settings.
()			Solve trigonometric equations in real-world
Session-2 (1-10)	MS	MA.9-12.T.3.d	situations or mathematical settings.
00000011 2 (1 10)	1		Use the unit circle to solve real-world
			applications and problems in mathematical
Session 2 (1 10)	MS	MA.9-12.T.4.a	settings.
Session-2 (1-10)	IVIO	IVIA.3-12.1.4.d	Solve trigonometric equations in real-world
Session-3 (1-6)	MS	MA.9-12.T.3.d	situations or mathematical settings.

			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-3 (1-6)	MS	MA.9-12.T.4.a	settings.
ì			Solve trigonometric equations in real-world
Session-4 (1-11)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-4 (1-11)	MS	MA.9-12.T.4.a	settings.
			Solve trigonometric equations in real-world
Session-5 (1-6)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-5 (1-6)	MS	MA.9-12.T.4.a	settings.
			Solve trigonometric equations in real-world
Session-6 (1-8)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-6 (1-8)	MS	MA.9-12.T.4.a	settings.
			Solve trigonometric equations in real-world
Session-7 (1-5)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-7 (1-5)	MS	MA.9-12.T.4.a	settings.
			Solve trigonometric equations in real-world
Session-8 (1-9)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-8 (1-9)	MS	MA.9-12.T.4.a	settings.
			Solve trigonometric equations in real-world
Session-9 (1-7)	MS	MA.9-12.T.3.d	situations or mathematical settings.
			Use the unit circle to solve real-world
			applications and problems in mathematical
Session-9 (1-7)	MS	MA.9-12.T.4.a	settings.